

What is claimed is:

1. A hologram screen comprising:

a hologram film having the function of diffracting light projected from a projector; and

5 a first transparent member and a second transparent member which together sandwich the hologram film so as to cover the same from a front surface and a back surface thereof;

10 wherein at least one of said first transparent member and second transparent member is made replaceable.

2. A hologram screen according to claim 1, wherein said first transparent member and second transparent member are fixed to each other with screws.

15 3. A hologram screen according to claim 2, wherein each of said screws penetrates a through-hole provided in one of said first transparent member and second transparent member, and is threaded into a sprue or a threaded hole provided in the other, thereby fixing said
20 first transparent member and second transparent member to each other.

4. A hologram screen according to claim 2, wherein each of said screws penetrates through-holes provided in both of said first transparent member and second
25 transparent member and is threaded into a nut, thereby fixing said first transparent member and second transparent member to each other.

5. A hologram screen according to claim 1, wherein said first transparent member and second transparent
30 member are fixed to each other with an adhesive.

6. A hologram screen according to claim 1, wherein said first transparent member and second transparent member are fixed to each other with clips.

7. A hologram screen according to claim 1, wherein
35 said first transparent member and second transparent member are made of resin, glass, or plastic film.

8. A hologram screen according to claim 1, wherein

an anti-sticking agent is interposed between said hologram film and at least one of said first transparent member and said second transparent member.

5 9. A hologram screen according to claim 8, wherein said hologram film comprises a hologram layer having the function of diffracting the light projected from the projector and a PET layer adhered to at least one of the surfaces of the hologram layer and having a hard coat applied thereto, wherein said anti-sticking agent is
10 interposed between said PET layer and at least one of said first transparent member and second transparent member.

15 10. A hologram screen according to claim 9, wherein said hologram film has said PET layer on one of the front and back surfaces of said hologram layer, and wherein the other surfaces of said hologram layer is adhered either to said first transparent member or to said second transparent member.

20 11. A hologram screen according to claim 8, wherein said anti-sticking agent is in the shape of spheres, cylinders, or scales.

25 12. A hologram screen according to claim 8, wherein said anti-sticking agent is made of inorganic material containing, as a principal component, silicon dioxide, borosilicate glass, or aluminium oxide, or a plastic material containing, as a principal component,
divinylbenzene, or methyl ester methacrylate, or a starch sugar such as grape sugar, cane sugar or the like.

30 13. A hologram screen according to claim 8, wherein said anti-sticking agent is made in the form of powder and is applied using a brush to said first transparent member or second transparent member, or to said hologram film.

35 14. A hologram screen according to claim 8, wherein said anti-sticking agent is made in the form of aqueous suspension and is applied by means of spray coating to said first transparent member or second transparent

member, or to said hologram film.

5 15. A hologram screen according to claim 8, wherein said anti-sticking agent is made in the form of aqueous suspension and is applied by means of spin coating to said first transparent member or second transparent member, or to said hologram film.

10 16. A hologram screen according to claim 8, wherein said anti-sticking agent is made in the form of alcoholic suspension and is applied by means of spin coating to said first transparent member or second transparent member, or to said hologram film.

15 17. A hologram screen according to claims 1, wherein a sealant is uniformly interposed in order to prevent partial sticking both between said hologram film and said first transparent member and between said hologram film and said second transparent member.

20 18. A hologram screen according to claim 17, wherein said sealant is an alcohol having high boiling point such as glycerol, triethanolamine, or ethylene glycol.

25 19. A hologram screen according to claim 1, wherein a release agent is coated on the entire front and back surfaces of said hologram film and an adhesive is provided via the release agent, and wherein the first transparent member and the second transparent member that are larger than said hologram film are applied on said front and back surfaces of said hologram film such that the first transparent member and second transparent member are adhered to each other with an adhesive at
30 peripheral portion thereof that is outside of the circumference of said hologram film.